# Add Course Request

**Submitted on: 2013-11-20 09:39:20**

| | |
|---|---|
| 1. **COURSE SUBJECT** | ECE |
| 2. **COURSE NUMBER** (OR PROPOSED NUMBER) | 2000 |
| 3. **COURSE TITLE** | Electrical and Computer Engineering Principle |
| 4. **INITIATING DEPARTMENT or UNIT** | ECE |
| 5. **NAME OF SUBMITTER** | John A Chandy |
| 6. **PHONE of SUBMITTER** | Phone: +1 860 486 5047 |
| 7. **EMAIL of SUBMITTER** | Email: john.chandy@uconn.edu |
| 8. **CONTACT PERSON** | John A Chandy |
| 9.**UNIT NUMBER of CONTACT PERSON** (U-BOX) | 4157 |
| 10. **PHONE of contact person** | Phone: +1 860 486 5047 |
| 11. **EMAIL of of contact person** | Email: john.chandy@uconn.edu |
| 12. Departmental Approval Date | 10/24/2013 |
| 13. School/College Approval Date | 11/07/2013 |
| 14. Names and Dates of additional Department and School/College approvals | |
| 15. Proposed Implementation Date | Term: Fall, Year: 2014 |
| 16.Offered before next printed catalog is distributed? | No |
| 17. **General Education Content Area** | |
| 18. **General Education Skill Code (W/Q).** Any non-W section? | None |
| 19. Terms Offered | Semester: Fall Summer Year: Every_Year |
| 20. Sections | Sections Taught: 1 |
| 21. Student Number | Students/Sections: 95 |
| 22. Clarification: 70 students in fall and 25 in summer | |
| 23. **Number of Credits** | 3<br>if VAR Min: Max:<br>credits each term |
| 24. **INSTRUCTIONAL PATTERN**<br>2 75-minute periods per week during the fall online during the summer | |

| | |
|---|---|
| 25. Will this course be taught in a language other than English? | No<br>If yes, then name the language: |
| 26. Please list any prerequisites, recommended preparation or suggested preparation:<br>Prerequisite: PHYS 1502Q, which may be taken concurrently. Recommended preparation: MATH 2410Q. This course and ECE 2608 or ECE 2001W may not both be taken | |
| 27. Is Instructor, Dept. Head or Unit **Consent Required**? | No |
| 28. Permissions and Exclusions:<br><br>Not open for credit to students who have passed ECE 2001W | |
| 29. Is this course **repeatable for credit**? | No<br>If yes, total credits allowed:<br>Allow multiple enrollments in same term? |
| 30. **Grading Basis** | Graded |
| 31. If satisfactory/unsatisfactory grading is proposed, please provide **rationale**: | |
| 32. Will the course or any sections of the course be taught as Honors? | |
| 33. Additional Details: | |
| 34. Special Attributes: | |
| 35. **REGIONAL CAMPUS AVAILABILITY**: | |
| 36. PROVIDE THE PROPOSED TITLE AND COMPLETE CATALOG COPY:<br><br>2000. Electrical and Computer Engineering Principles<br>Three credits. Prerequisite: PHYS 1502Q, which may be taken concurrently. Recommended preparation: MATH 2410Q. This course and ECE 2608 or ECE 2001W may not both be taken.<br><br>Basic concepts of circuit analysis as applied to electronic circuits and electromechanical devices, including measuring instruments. | |
| 37. **RATIONALE** FOR ACTION REQUESTED<br><br>This course will be replacing the existing ECE3002 course.<br><br>The rationale for the course are two-fold. First, the change to a 2000 level better reflects the content of the course. It is equivalent to ECE2001W but without the lab. The course is intended for non-ECE majors. Secondly, the ECE majors requires that students take 4 professional requirements at 3000-level and above, and many students mistakenly believe that they can take ECE3002 to satisfy that requirement.<br><br>The course is required for mechanical engineering students and the ME department has been made aware of the change and they have OK\\\'ed the change. | |
| 38. **SYLLABUS:**<br><br>Online URL: ( https://web2.uconn.edu/senateform/request/course_uploads/joc02012- | |

1384958360-220sy01.pdf)

39. **Course Information: ALL General Education courses, including W and Q courses, MUST answer this question**

40. **Goals of General Education: All Courses Proposed for a Gen Ed Content Area MUST answer this question**

41. **Content Area and/or Competency Criteria: ALL General Education courses, including W and Q courses, MUST answer this question.:** Specific Criteria

a. **Arts and Humanities:**
b. **Social Sciences:**
c. **Science and Technology:**
i. **Laboratory:**
d. **Diversity and Multiculturalism:**
43. **International:**
e. **Q course:**
f. **W course:**

42. **RESOURCES:**

Does the department/school/program currently have resources to offer the course as proposed
YES
If NO, please explain why and what resources are required to offer the course.

43. **SUPPLEMENTARY INFORMATION**:

**ADMIN COMMENT**:

Senate approved new course 2.3.14 // New2000-level_11/25/13kcp.

Fall 2013: ECE3002 Electrical and Computer Engineering

Principles

The Text: Essentials of Electrical and Computer Engineering by J. David Irwin and David V. Kerns, Jr., 1994 Prentice Hall (ISBN-0-13-923970-7).

Prerequisites: Math 211Q, Physics 152Q (courses may be taken concurrently).

This course and ECE2608 or ECE2001W may not both be taken for credit.

Description: Basic concepts of circuit analysis as applied to electronic circuits and electromechanical devices, including measuring instruments.

Instructor: Paul Dufilie, ITE 462, Telephone: 486-5660, e-mail: dufilie@engr.uconn.edu

Office Hours: TuTh 2-4 PM, and by appointment.

TA: Feifei Zhou, e-mail: feifei.zhou@uconn.edu

Available: Monday 3-5PM, ITE 430

Class Times: TuTh 11:00AM to 12:15PM LH-201

Homework: Homework will be assigned weekly. Problems may be solved in groups, but each student must turn in their own work for credit. Late homework will be graded at 75% of the original value. Homework solutions will be posted on the WEB at: http://www.ee.uconn.edu/undergraduate-program/course-pages Help will be available, if required, during office and TA hours. Note: Turn in homework!!!

Reading assignments: It is advised that you do the reading assignments for background information on the material presented in class.

In-Class-Quiz: A five to ten minute quiz (or take-home problem) will be given five to ten times during the semester. All quizzes will be from previously assigned homework or lectures. Quizzes will be announced in the prior class. Take-home problems are due the next class meeting. Show all work for credit. Quiz solutions will be posted on the web. Late quizzes will be graded at 75% original value.

Tests: There will be three tests during the semester, prior to the final exam. The final will be cumulative. All tests will be closed book. Bring a calculator and pencils (pens). Tentatively, tests are scheduled as follows:

Thursday 26 September 2013

Tuesday 29 October 2013

Thursday 21 November 2013

Grading: Hour tests 15% each (45%) Quizzes 15%

Homework 15% Final: 25%

Note: Review this page periodically for updates.